

Notice of Allowability

Application No.

09/963,401

Examiner

Wayne Amsbury

Applicant(s)

TAMAYO ET AL.

Art Unit

2171

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to THE RCE OF 7/14/04.
2. ☒ The allowed claim(s) is/are 6-8, 10, 16-18, 20, 26-28, 30, 36-40, 43-46 AND 48-52.
3. ☒ The drawings filed on 27 September 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

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CLAIMS 6-8,10,16-18,20,26-28,30,36-40, 43-46 AND 48-52 ARE PENDING

1. The following is an examiner's statement of reasons for allowance:

The prior art teaches many of the elements of the claims, and various combinations of them. In particular, Weinberg et al (Weinberg), US 5,974,572, 26 October 1999 and Lee et al (Lee), US 6,466,970, 15 October 2002 are exemplary.

Weinberg is directed to a visual Web site analysis that applies data mining to company Web sites [COL 2 lines 8-25], and thus is directed to enterprise web mining.

As to claim 49, Weinberg collects corporate data comprising user-based data [Col 2 lines COL 2 lines 8-18], external data [COL 6 lines 8-15 and elsewhere], Web traffic data [COL 2 lines 28-34], API data [COL 7 lines 9-14 and elsewhere], server log data [COL 3 lines 5-15 and elsewhere] and transaction data [the basic log data of accesses is transaction data and Weinberg makes explicit use of this term at COL 33 lines 33-39].

The Astra program of Weinberg creates, manages, and filters the site map in such a way that includes mapping between general attributes and particular features and dimensionality reduction are [COL 7 line 40 and after]. In particular, the filtering process removes redundant or irrelevant information and identifies visitors. Visitor paths are basic to the system of Weinberg [SUMMARY, exp. COL 3 lines 25-35]. The support for the analysis of visitor paths is extensive, and includes the items listed in the claim. In particular, note the whole website maps such as FIG 1-2, the standard use of filename,

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page titles [COL 10 lines 1-6], and domain names [COL 5 line 57 and after; COL 8 lines 25-43 and elsewhere].

Weinberg predicts traffic patterns in the sense of determining probabilities of Lee et al (Lee), US 6,466,970, 15 October 2002.

visitor paths [COL 28 lines 13-37].

However, Weinberg is not explicit about building a database *per se* of various types of data and mining it with a plurality of models using generated taxonomies in response to a received request for a prediction.

Lee is directed to collecting and analyzing (data mining) information about content requested in a network such as the Web [COL 3 lines 37-43], and in particular in a e-commerce environment [COL 4 line 66 and after]. Web requesters in Lee are users, and the log data of Lee comprises metadata fields that include user identification [COL 3 line 36 and after], and which categorize external data such as page content. The background technology that is improved by Lee includes a variety of web traffic analysis programs [BACKGROUND]. Lee is directed in particular to categorizing the content of pages visited [SUMMARY].

As to claim 49, Lee teaches the tracking of user-id and session-id data [COL 2 lines 16-22], and retains three sub-fields of this information COL 6 line 57 and after].

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Lee is not explicit about mapping between attributes and features and selecting data with reduced dimensionality, nor mining collected data with a plurality of models using generated taxonomies in response to a received request for a prediction.

Thus, while these references are complementary in many ways, their teachings cannot fairly be combined to anticipate nor suggest the instant invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wayne Amsbury whose telephone number is 703-305-3828. The examiner can normally be reached on M-TH 7-5.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 703-308-1436. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

WPA


WAYNE AMSBURY
PRIMARY PATENT EXAMINER

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